COLOR PRO-STYLE SURVEILLANCE CAMERA

Installation Guide

English Version1.0

MODEL:
CVC8001

LOREX

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Camera Features

- Large (1/3") CCD Image Sensor for Exceptional Image Quality and Sharpness
- Super Low Light Sensitivity with the Built-in High Sensitivity Produces Clear Images Even in Low Light Conditions
- C/CS Lens Mount Allows for Lens Option Flexibility
- 12V DC/24V AC Dual Voltage Operation

Package Contents

1 x Color Camera with Fixed Wide Angle Lens

1 x Mounting Stand

1 x 60ft Extension Cable
1 x BNC-to-RCA Adaptor

1 x Power Adaptor Cable (attached)

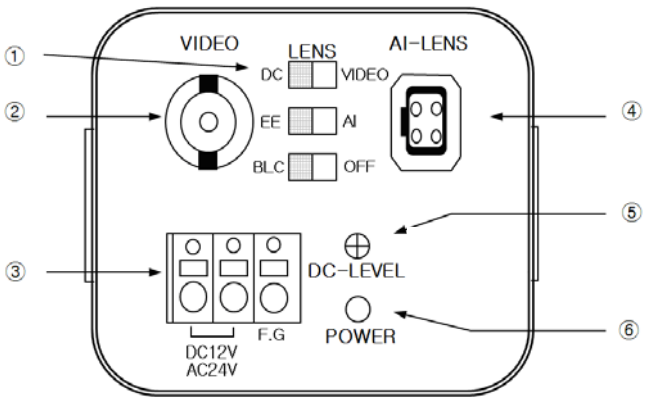
1 x 12V DC Power Adaptor

WARNING - REGULATED 12V DC 500mA power supply is provided for use with this camera. Use of a non-regulated, non-conforming power supply can damage this product and will void the warranty.

Camera Switches

Please set the Camera Switches prior to powering on the Camera.

① Function Selection Switches:



- **AUTO IRIS LENS Switch** – Set the switch to either the "DC" or "VIDEO" position, depending on the type of lens attached to the camera. Set the switch to "DC" for the supplied lens, or any non AI lens types.
- **EE/AI Switch** – When using an Auto Iris Lens on the camera, set the switch to the "AI" position. Set the switch to "EE" for other lens types, including the supplied lens.
- **BLC/OFF Switch** – If the camera is directed towards a backlight, objects in the image may appear dark. Set the switch to the "BLC" position to turn on the Backlight Compensation, and improve the image quality in backlight conditions.

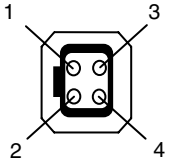
NOTE: This camera is NOT supplied with an Auto Iris lens. The default Switch Settings are: DC, EE & BLC

② Video Out (BNC): Connect the camera to a BNC Cable, or to the provided BNC Extension cable to transmit video to a receiver, such as a DVR, Observation System, TV or other similar viewing device. The included BNC to RCA Adaptor may be needed for proper connection to your viewing device.

③ Power Connector Block: This camera can be powered using either 12V DC or 24V AC power, and has a removable 12V DC Power Cable. To use 24V AC Power, remove the 12V DC Cable, and connect directly to a 24V AC Power source.

④ AUTO IRIS LENS Connector: Used to connect the cable from the Auto Iris lens to the Camera.

	1	2	3	4
DC TYPE	DAMPING-	DAMPING+	DRIVE+	DRIVE-
VIDEO TYPE	DC 9V	N.C	IRIS SIGNAL	GND



⑤ DC LEVEL Brightness Adjustment: The DC Level adjustment controls the brightness of the connected Auto Iris Lens.

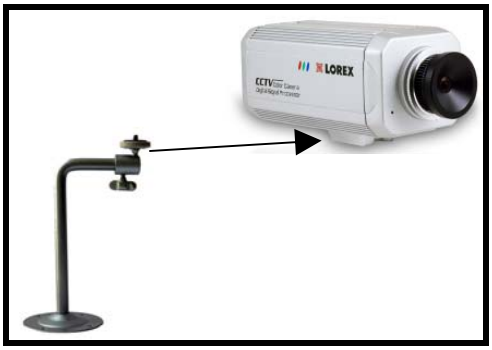
Monitor picture	Adjustment direction
Brighten the Image	Turn clockwise
Darken the Image	Turn counterclockwise

To use this control, the camera must have a connected Auto Iris lens, and the switches must be set to the "AI" & "DC" positions.

⑥ Power ON/OFF LED: The LED displays the ON or OFF status of the camera. The LED will illuminate in green when the camera is ON.

Installing the Camera

1. Mount the camera stand to the desired mounting surface.



2. Attach the Camera to the supplied stand at the connection point located on the bottom of the camera. Use the Thumbscrew on the stand to adjust the position and aim of the camera, and tighten the screw to secure the position.

3. Connect the Extension cable to the Camera:

- Connect the BNC end of the cable to the Camera
- Connect the Power Adaptor connector to the AC Power Cable attached to the camera.

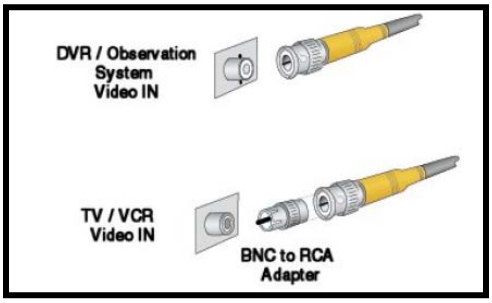
Remember to check the ends of the cable before permanent installation, as the power connection ends are different (one side has a female barrel power connection, and one end has a male power plug)

VIDEO INPUT: Connect the BNC cable to the video input of the monitor, and connect the power adaptor to an outlet.

CAMERA: Connect the BNC and Power cables to the Camera

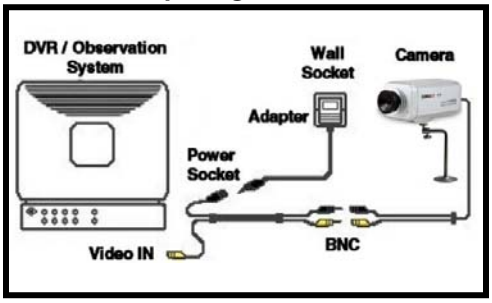
4. Connect the BNC end of the Extension Cable to the DVR / Observation System or to a TV/VCR.

NOTE: Connect the BNC to RCA Adaptor as needed to allow for proper connectivity.



5. Connect the A/C Power Adaptor to the Extension Cable (Black connector). Plug the Power adaptor to a wall outlet

Camera Setup Diagram



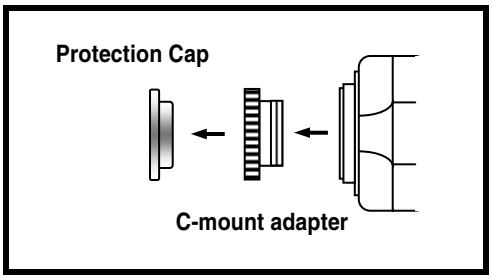
Lens Installation

The lens on the Camera can be changed to one of the following types:

Installing C-MOUNT LENS

1. Removing the Protection Cap

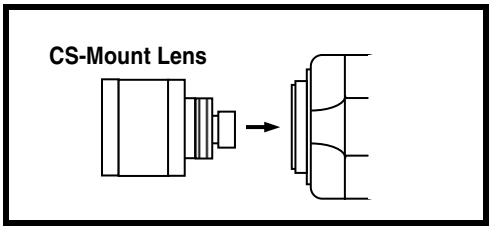
2. Screw the new lens onto the camera by turning clockwise.



Installing CS-MOUNT LENS

1. Remove the Protection Cap and C-Mount Adapter.

2. Screw the lens onto the camera by turning clockwise.



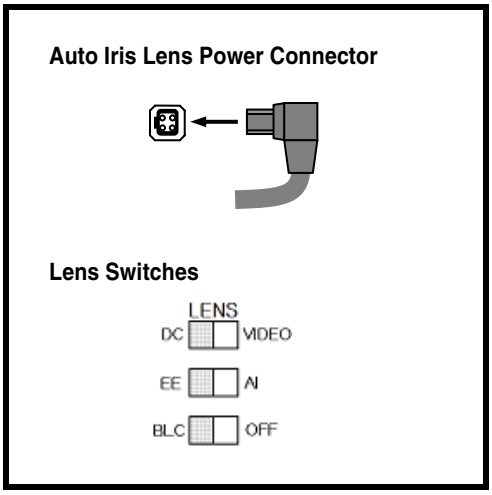
Installing AUTO IRIS LENS

1. Removing the Protection Cap.

2. Screw the lens onto the camera by turning clockwise.

3. Connect the Auto Iris Lens Power Cable to the Auto Iris Lens Connector on the rear of the camera.

4. Set the DC/VIDEO Selection Switch to either “DC” or “VIDEO” (depending on the type of lens). Set the EE/AI Selection Switch to AI when using an Auto Iris Lens.



Camera Specifications

Model No.	CVC8001
Type	PROFESSIONAL COLOR CCD CAMERA
Image Sensor	1/3 “COLOR CCD
Effective Pixel	512(H)×492(V)
Resolution	420 TV Line
TV Type	NTSC
Sync. Type	Internal
Scanning System	2:1 Interlace
Video Output	1.0V_{P-P}, Termination 75Ω
Gamma	0.45
Min. Illumination	0.05 Lux (F/1.2)
S/N Ratio	48dB or more (AGC off)
Gain Control	Automatic
Shutter Speed	1/60~1/100,000sec(NTSC)
Power	(DC12V,130mA / AC24V)±10% Dual Power, Non Polarity
Reverse Polarity Protection	Yes
Lens	Included 3.6mm Lens / C Mount
Operation Temp.	-10°C ~ +50°C
Preservation Temp.	-30°C ~ +80°C
Dimension	25.2”/ 64mm X 47.2”/120mm X 21.7”/55mm (W X D X H)
Weight	Approx. 350g

Notes:

It’s all on the web

- Product Information
- Specification Sheets
- User Manuals
- Software Upgrades
- Quick Start Guides
- Firmware Upgrades

VISIT

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